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			ATTORNEY DOCKET NO.	CONFIRMATION NO.
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR		6373
09/856,924	05/30/2001	Nobuaki Hashimoto	109681	6373
23744	590 04/22/2002		EXAMINER	
P.O. BOX 1997	RRIDGE, PLC 28		TRAN, TAN N	
ALEXANDRIA, VA 22320			ART UNIT	PAPER NUMBER
			2826	
			DATE MAILED: 04/22/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
· · · · · · · · · · · · · · · · · · ·	Application No.					
Office Action Summers	09/856,924	HASHIMOTO ET AL.				
Office Action Summary	Examiner	Art Unit				
	TAN N TRAN	2826				
The MAILING DATE of this communication app Period for Reply	ears on the cov i she	set with the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, if y within the statutory minimum will apply and will expire SIX (6) cause the application to become	may a reply be timely filed of thirty (30) days will be considered timely. NONTHS from the mailing date of this communication. OME ABANDONED (35 U.S.C. § 133).				
1) Responsive to communication(s) filed on 301	Mav 2001 .					
,—	is action is non-final.					
3) Since this application is in condition for allowa	ance except for forma	al matters, prosecution as to the merits is				
closed in accordance with the practice under Disposition of Claims	Ex parte Quayle, 193	35 C.D. 11, 453 O.G. 213.				
4) \boxtimes Claim(s) <u>1-32</u> is/are pending in the application						
4a) Of the above claim(s) is/are withdra	wn from consideratio	n.				
5) Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.	6) Claim(s) is/are rejected.					
7) Claim(s) is/are objected to.						
8) Claim(s) <u>1-32</u> are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examine		o by the Evaminer				
10) The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11) The proposed drawing correction filed on						
If approved, corrected drawings are required in reply to this Office action. 12) The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreig	n priority under 35 U.	S.C. § 119(a)-(d) or (f).				
a) All b) Some * c) None of:	,, p,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
1. Certified copies of the priority document	ts have been receive	d.				
Certified copies of the priority document Certified copies of the priority document						
Copies of the certified copies of the price application from the International But See the attached detailed Office action for a list	ority documents have ureau (PCT Rule 17.2	been received in this National Stage 2(a)).				
14) Acknowledgment is made of a claim for domest						
a) The translation of the foreign language pro	ovisional application	has been received.				
Attachment(s)	as priority under 50 c					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) 🔲 No	erview Summary (PTO-413) Paper No(s) tice of Informal Patent Application (PTO-152) ner:				

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DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121.
 - I. Claims 1-19, drawn to a semiconductor device, classified in class 257, subclass738.
 - II. Claims 20-32, drawn to a method of manufacturing a semiconductor device, classified in class 438, subclass 613.
- 2. The inventions are distinct, each from the other because of the following reasons:

Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP \square 806.05(f)). In the instant case, unpatentability of the Group I invention would not necessarily imply unpatentability of the Group II invention, because the device of Group I invention could be made by a process materially different from that of the Group II invention. For example, the process of claim 20 can be materially altered by first disposing the conductive members within the holes of the substrate, mounting the semiconductor chip having a plurality of electrodes on the substrate in order to connect the electrodes with the conductive members, and then depositing an interconnecting pattern under the substrate so that the electrodes can be electrically connected to the interconnecting pattern.

3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, the fields of search are not co-

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extensive and separate examination would be require, restriction for examination purposes as

indicated is proper.

Applicant is advised that the response to this requirement to be complete must include an 4.

election of the invention to be examined even though the requirement be traversed (37

FR 1.143).

5. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Tan Tran whose telephone number is (703) 305-3362. The

examiner can normally be reached on Monday-Friday 8:30 AM-5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Nathan J. Flynn can be reached on (703) 308-6601. The fax phone numbers for the

organization where this application or proceeding is assigned are (703) 308-7722 for regular

communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703) 308-0956.

April 2002

do whom town

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Minh Loan Tran **Primary Examiner**